

ABSTRACT OF THE DISCLOSURE

"BAND SAW SELF COOLING ROLLER GUIDE"

5 The band saw self cooling roller guide is defined by a main
cylindrical roller body having a front portion of reduced diameter
forming a collar for mounting coaxially around a shaft, and a
flange extending from the rear portion thereof forming a shoulder.
The thin rear edge of the band saw blade or ribbon abuts the flange
10 which aids in aligning the blade, and the flat surface of the blade
rests upon a plurality of grooves formed around the peripheral
surface of the main roller body. A plurality of apertures such as
louvered holes are formed in the face of the body and extend
15 through the flange to funnel air their the rotating roller body
cooling the roller, aligning the blade, and extending the wear
thereof.